Swann

Maxi Day/Night Cam
Security Camera
Weatherproof Day & Night Camera

STOP **Swann** Helpdesk
Has the answers

If this device does not work when you first plug it in, do not take it back to the store.

✓ *Contact the Swann Helpdesk using our fast e-mail service* **tech@swann.com.au** *or call us on one of the Toll-Free numbers shown on the back cover of this booklet.*

✓ *Most problems can be quickly and easily fixed with a simple e-mail or a quick chat with one of our friendly technical staff. (Toll-Free available in the US and Australia only)*

Installation Guide

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Introduction

The Maxi Day/Night Camera is a versatile Weatherproof CCD Security camera that includes 24 Infra-Red LEDs that give you the capability of viewing the images produced under most lighting conditions, even at night. Use the included bonus 12mm lens to switch from the standard wide view to a more focussed narrow view of your camera location. It can be used to provide your home or office with a clear picture that can be easily displayed on a DVR, TV, VCR or Security Monitor.

The Maxi Day/Night camera is designed for best performance when used with Swann DVRs and Security Monitors, but will just as easily work with your existing CCTV Equipment, TV, VCR or a Computer with a video capture card. The camera can be used indoors or outdoors. The Maxi Day/Night camera can be used for a variety of purposes including monitoring callers at the door or keeping your car, yard, shop or children's play area under observation.

Your package comes with…

- *Maxi Day/Night Camera with fixed cable and Camera Hood*
- *Camera Stand*
- *Bonus 12mm lens*
- *BNC male to RCA female Gender Changer*
- *RCA male to RCA male Gender Changer*
- *Power Adaptor*
- *Security Stickers*
- *This Instruction Sheet*

If any of these items are missing, please contact your retailer.

FCC NOTICE
This device complies with Part 15 of FCC Rules.
Operation is subject to the following conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation

Technical Specifications

Image Sensor:	*¼" SuperHAD CCD*
Picture Element:	*PAL - 500 (H) x 582 (V) **/** NTSC - 510 (H) x 492 (V)*
Video System*:	*NTSC - USA & CANADA, PAL - AU, UK & EU*
Horizontal Resolution:	*420 TV Lines*
S/N Ratio:	*> 48db*
Minimum Illumination:	*0 Lux (IR LEDs on)*
Video Output:	*1.0v (P-P) @ 75ohm*
Power Supply:	*12volts DC*
Operating Current:	*180mA - 280mA (IR On)*
Video Cable Connector:	*BNC female*
Infra-Red LEDs:	*24*
Infra-Red LED Wavelength:	*850nm*
Maximum IR Illumination Range:	*66ft (20m)*
IR Activation:	*Automatic from PE Cel*
	Auto On at Night
	Auto Off during Day
Housing Material:	*Aluminium Alloy*
Dimensions *(H x W x L):*	*4" x 2¾" x 6¾" / 99mm x 71mm x 169mm*

*Please note that this camera ships in the appropriate TV/Video system for the country of sale. In countries using the NTSC TV standard for the camera will be built to the NTSC standard, and in countries using PAL TV standard, the camera will be built to the PAL standard. The camera cannot switched from one standard to the other.

FCC Notice

We, Swann Communications of 10612 Shoemaker Avenue, Bldg A, Santa Fe Springs, CA 90670 USA, declare under our sole responsibility that the product:

SW-C-MDNC

This product meets the requirements specified in Part 15 of FCC Regulation. Operation rests with the following two conditions:
(1) The equipment should not cause any harmful interference;
(2) The equipment must receive and process any interference, including any possible interference caused by operation mistakes. After testing the product, we confirm that it complies with the provision for class C digital equipment in the 15th part in FCC regulation; and the receiver complies with the limitations for class B digital equipment in Part 15 of FCC regulation. The product generates, applies and emits radio waves. It might cause harmful interferences to wireless communication if not be installed and used following the description of the manual. The product may cause interference in residential area, and the customer should take remedies to eliminate the interference at their own costs. If the product causes any harmful interference to wireless equipment or disturbs the receiving of TV signals (it can be identified by turning on and off the product), you can solve the trouble by following methods:
(1) Re-adjust the product or put it in another place;
(2) Extend the distance between the equipment interfered and the product; and
(3) Refer to dealers or experienced radio electrician for help.

CE Notice

*This product complies with standards including **L**ow **V**oltage **D**evice Directive 73/23/EEC; **EMC** Directive 89/336/EEC and **R&TTE** Directive 1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear **CE** mark.*

Important Information about this product

- *Best Results are achieved when the camera is looking down on the subject area.*

- *The hood can be used to stop sunlight entering the lens and causing the picture to wash out during bright daylight.*

- *Please test all devices before final installation as it is far easier to rectify problems at this stage.*

- *To avoid the risk of damage to your product, use only the supplied power adaptors.*

- *Areas with a bright background may caused degradation of the image. If possible position your camera so that it doesn't point towards a very bright light source.*

- *Do not cut the DC power cable of the Camera to fit with another power source. This may result in damage to the Camera & any unauthorised modifications will void your warranty.*

Tips for using your Swann Security camera

1. *Deterrence is the best and most cost effective security method for:*
   - preventing criminal activity before it occurs is preferable to, and cheaper than, cleaning up after it occurs
   - the Swann Maxi Day/Night Camera is an example of cost effective security utilising the 'art of deterrence' to outsmart thieves and criminals

2. *Always place cameras high enough that they can't be closely inspected or easily accessed.*

3. *Position cameras and dummies where they can be easily seen for maximum deterrence.*

4. *Position a monitor where it can be seen but not touched.*

5. *If you have more than one camera use a monitor with channel switching function, a Quad Processor or DVR with multiple views to show potential offenders the level of coverage you have protecting your site.*

6. *Add extra Swann dummy cameras to give the impression of heightened security.*

7. *Purchase a Swann DVR (product code SW-R-DVR4NET) to monitor and record activity on your cameras. Depending on the settings used, DVRs can record for months.*

8. *Position a VCR with tapes or boxes close to your monitor for added effect, implying there is a security video recorder even if there isn't one.*

Connect the Maxi Day/Night Camera to your monitoring device

These step by step instructions are provided for you to enable a quick and simple installation of your camera. Please refer to the diagram over the page for component identification details.

**Step 1:** *At the end of your Maxi Day/Night Camera cable you will find two plugs:*
- *Video BNC Female*
- *DC Power Jack*

Step 2a: *Plug the* **BNC Female** *(1b) into the* **BNC Male Adaptor** *(3) and turn the outer ring to lock the connectors. Plug the* **RCA Male Gender Changer** *(4) into the opposite end of the* **BNC Male Adaptor** *(3) and then into the* RCA Video In *socket on your TV or VCR (usually located at the back). This is the best method of connecting the camera initially to test it for correct operation.*

Step 2b: *If you are mounting the camera permanently it is recommended that you use coaxial cable with BNC male connectors to ensure the best possible fit and electrical connection. You can also use the Swann Security Camera Extension cables with BNC adaptors such as the* 120ft AV Cable (Product code SW-P-36M) *or the* 60ft AV Cable (Product Code SW-AVCABLE) *Check the Swann website for information on other Swann cable and accessory products or see your local electrical store for more information on what cables and accessories are available in their range to suit Security Cameras with BNC video connectors.*

Step 3: *Connect the* **Power Connector** *(2a) at the end of the* **power adaptor** *(2) in to your Maxi Day/Night Camera's DC Jack (1a).*

Step 4: *Plug the* **power adaptor** *(2) into the mains power point on your wall and switch on.*

Step 5: *If you have an* **A/V TV** *with RCA sockets you will need to switch the* **TV** *to the* **AV** *channel to view the camera. To connect the camera to your* **VCR***, you will need to turn the* **VCR** *to the* **A/V Input** *selection and turn your* **TV** *onto the channel you would normally use to view a tape or movie on your* **VCR***. This channel may be activated by a button on your remote that is marked with this symbol ⬚, or* L1 *or* L2 *or possibly* AV1 *or* AV2*. Please read the* **instructions** *for your* **VCR** *or* **TV** *for more information on using their* **A/V inputs.**

Step 6: *To fit the Camera Hood use a small Philips Head screwdriver to remove the two screws from the top mounting block. Once these are removed, place the hood on top of the camera casing with the slots over the screw holes in the casing. Place the mounting block on top of the hood, then using the screwdriver screw the two screws back into the casing until the hood is firmly secured.*
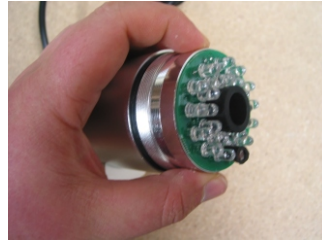
Please note: if you wish to use the bonus 12mm lens you should fit and adjust it before fitting the hood.

Step 7: *If you are fitting the* **12mm lens***, (if you have already fitted the hood, remove it using the instructions in step 6 first)*

1. Unscrew the front housing of the camera in an anti-clockwise direction. Note: Please be careful to avoid breaking the glass.

2. Unscrew inner camera cover thread by turning anti clockwise carefully removing the LED panel with the camera cover Warning: Do not turn the LED panel as you unscrew the camera cover it should remain stationary. Doing so may damage the LED panel connecting cable.

3. Loosen locking screw with Phillips head screw driver by turning screw in an anticlockwise direction.

4. Unscrew the lens in a anti clock wise direction and remove lens now replace lens with the new lens.

5. To adjust the lens for correct focus, temporally connect the camera to a monitor and power the camera using the power supply found in the packaging.
Plan where you want to situate the camera, and estimate how far objects will be from the camera. Then adjust the lens until you have focussed the camera for your desired distance. Disconnect the power from the camera once it is in focus, now re tighten the locking screw with a Phillips head screw driver by turning it in a clockwise direction.
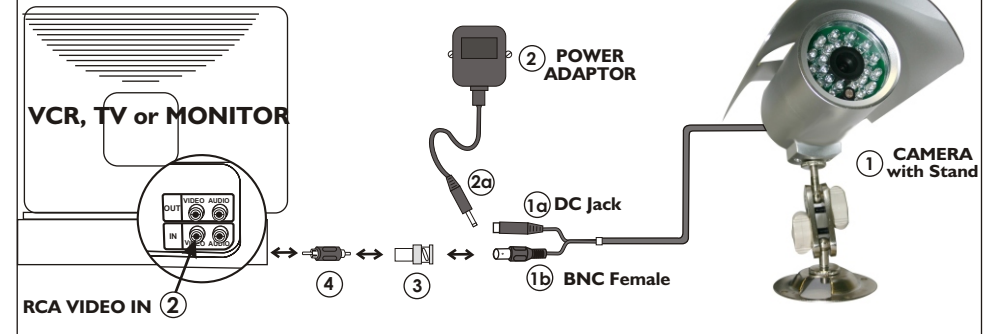

6. Tighten threaded camera cover by turning it in a clockwise direction.

7. Screw the front housing back onto the camera by turning the housing in a clockwise direction.

Basic Connection to VCR, TV or MONITOR

VCR, TV or MONITOR

② POWER ADAPTOR

① CAMERA with Stand

2a

1a DC Jack

1b BNC Female

④ ③

RCA VIDEO IN ②

Note: *The Maxi Day/Night Color Camera will automatically change to a black & white image using the Infra-Red LEDs when available light is too low to support a clear color picture.*

Connection to VCR, TV or MONITOR using an extension cable

DVR or MONITOR With BNC Sockets

POWER ADAPTOR

Extension Cable with BNC Male Connectors (not included)

DC POWER CONNECTOR

DC Jack

CAMERA with Stand

BNC Female

BNC VIDEO IN